

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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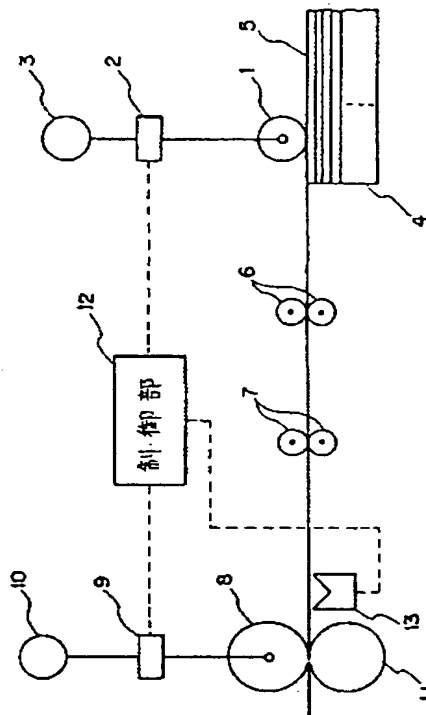
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INVENTOR : SHINKAI MICHIO;

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TITLE : METHOD OF CONTROLLING  
PAPER-FEED IN COPYING MACHINE



ABSTRACT : PURPOSE: To feed papers with appropriate timing, by measuring a required time for which a paper reaches a predetermined position between a stacker and its aligning position.

CONSTITUTION: When a reference signal is delivered to a control section 12, the control section 12 energizes an electro-magnet clutch 2 at a time  $t_1$  to discharge a paper 5. When the paper 5 passes just above a position detecting sensor 13 disposed in the vicinity of a register roll 11 at a time  $t_2$ , the control section 12 computes a required time  $T_d = t_3 - t_1$ , and the detecting time  $T_d$  is subtracted from a nominal reaching time  $T$  which is previously stored, so that a time difference  $\Delta T = T - T_d$  is calculated. When the reference signal is delivered to the control section 12 so that the paper is discharged, the time at which the electro-magnetic clutch 2 is energized is compensated from  $t_1$  to  $t_1 + \Delta T$ . The timing of paper-discharge is compensated as mentioned above so that papers always reaches their aligning position with predetermined timing.

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